Agilent U1065A
Acqiris High-Speed cPCI Digitizers
DC282, DC252 and DC222

Configuration Guide

Introduction

This document provides configuration information for the Agilent Acqiris U1065A 10-bit cPCI high-speed digitizers.

Required selections	
Channel count	*Instructions: Select the required number of channels. Channels can be interleaved to achieve maximum sample rate.*
U1065A-001	One channel, 8 GS/s, 1024 kSamples, DC222
U1065A-002	Dual channel, 4-8 GS/s, 512-1024 kSamples, DC252
U1065A-004	Quad channel, 2-8 GS/s, 256-1024 kSamples, DC282
Front-end performance	*Instructions: Select the required front end. One front end is required per input channel of the card (1, 2, or 4). U1065A–FHF is not compatible with the DC282 configuration. U1065A–FHZ is only compatible with the DC282 configuration without memory extension.*
U1065A-F50	50 Ω, 2 GHz front-end
U1065A-FHF	50 Ω, 3 GHz front-end
U1065A-FHZ	50 Ω/1 MΩ, 1 GHz/300 MHz front-end
Input connector types	*Instructions: Select the required connector type for the input channels, and the trigger input. Five connectors are required per DC282 (5 input + 1 trigger), Three connectors per DC252 (2 input + 1 trigger), and two connectors per DC222 (1 input + 1 trigger).*
U1065A-BNC	BNC connectors
U1065A-SMA	SMA connectors

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Options	
Memory options	*Instructions: The standard module is supplied with 1024 kSamples of acquisition memory. If required, two memory extension options are available.*
U1065A-128	128 MSample acquisition memory
U1065A-M1G	1 GSample acquisition memory
Battery backup	*Instructions: If no memory options are selected, the battery backup allows the storage of acquired data in on-board memory for up to 120 h. This option cannot be combined with extended memory in the U1065A.*
U1065A-BB1	Battery back-up for standard memory
Calibration certificate	*Instructions: If required, and calibration data along with calibration certificate can be provided.*
U1065A-UK6	Calibration certificate and cal data
Manuals	*Instructions: Available from Agilent.com, optional hard-copy paper manuals and CD-ROM software and drivers are also available.*
U1062A-0B1	User manual kit for Acqiris 10-bit digitizers
U1062A-0B2	Programmers reference manual
U1062A-0B3	Programmers guide
U1062A-0B4	Software and drivers CD

System Information

For creation of an integrated Compact PCI system, including chassis, interface or single board computer, please refer to the U1056B product.

U1056B Data converter system

www.agilent.com

Product specifications and descriptions in this document subject to change without notice.

For more information on the Acqiris product line, sales or services, see our website at:

www.agilent.com/find/acqiris

Contacts

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